

Title (en)

FLAT SEPARATION FLOOR BETWEEN TWO SUPERPOSED CHAMBERS IN KILNS, IN PARTICULAR ROLLER-HEARTH KILNS FOR CERAMIC TILES

Publication

EP 0339705 A3 19900321 (EN)

Application

EP 89200906 A 19890410

Priority

IT 4684388 A 19880429

Abstract (en)

[origin: EP0339705A2] The floor of the invention comprises a plurality of structural elements (10) of elongated parallelepiped shape with their longitudinal axis horizontal, they being disposed adjacent to each other to form a flat horizontal structure supported by two opposing vertical walls (23) and (24) of the kiln; each structural element (10) comprises two internal beams (11) parallel to the axis of the element and a plurality of blocks (12) of thermally insulating material, each provided with two through holes (13) by which they are mounted along the internal beams (11); the blocks (12) are slidable along the internal beams (11); means also being provided acting on the ends of the row of said blocks (12) to compress the row in an axial direction, so pressing the blocks together; the internal beams (11) are stressed only partly by the weight of the blocks (12), which can therefore have a greater specific gravity or thickness to increase the insulating effect of the floor.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [Y] SOVIET INVENTIONS ILLUSTRATED, week D38, 28th October 1981, no. 69489 D/38; & SU-A-761 410 (REFRACTORIES INST.) 30-12-1980

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EP 0339705 A2 19891102; **EP 0339705 A3 19900321**; **EP 0339705 B1 19930107**; DE 68904228 D1 19930218; DE 68904228 T2 19930506; ES 2038818 T3 19930801; IT 1221425 B 19900706; IT 8846843 A0 19880429; US 4923397 A 19900508

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